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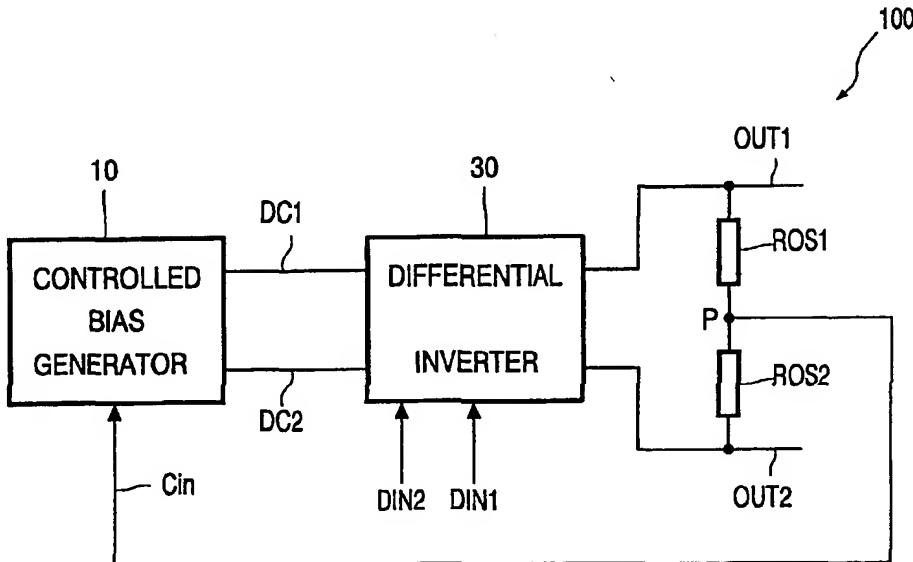
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(54) Title: DIFFERENTIAL INVERTER CIRCUIT



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(57) Abstract: A differential inverter (30) having a differential input for receiving a first input signal (DIN1) and a second input signal (DIN2), said inverter (30) further comprising a differential control input for receiving a first control signal (DC1) and a second control signal (DC2). The differential inverter further comprises a differential output for transmitting a first output signal (OUT1) and a second output signal (OUT2). The differential inverter further comprises a controlled bias generator (10) that generates the second vector of input signals in response to a bias control signal (CIN). The control bias signal (CIN) is generated at an output of a voltage divider (ROS1, ROS2) coupled to the differential output of the differential inverter (30) said bias control signal (CIN) being indicative for a DC voltage of the differential output.



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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H03K H03F H03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category <sup>°</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 300 898 A (CHEN DAO-LONG ET AL) 5 April 1994 (1994-04-05) column 3, line 65 -column 7, line 40; figures 1-3 -----	1-6
X	US 5 936 466 A (ANDOH HAJIME ET AL) 10 August 1999 (1999-08-10) column 5, line 40 -column 7, line 44; figures 8,9 -----	1-3
A	US 5 818 306 A (KIM KYUNG-SOO ET AL) 6 October 1998 (1998-10-06) column 3, line 44,45; figure 2 -----	6
A	US 4 414 515 A (SUZUKI YASOJI ET AL) 8 November 1983 (1983-11-08) column 4, line 26 -column 9, line 15; figures 5-20 -----	1-6

 Further documents are listed in the continuation of box C.

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